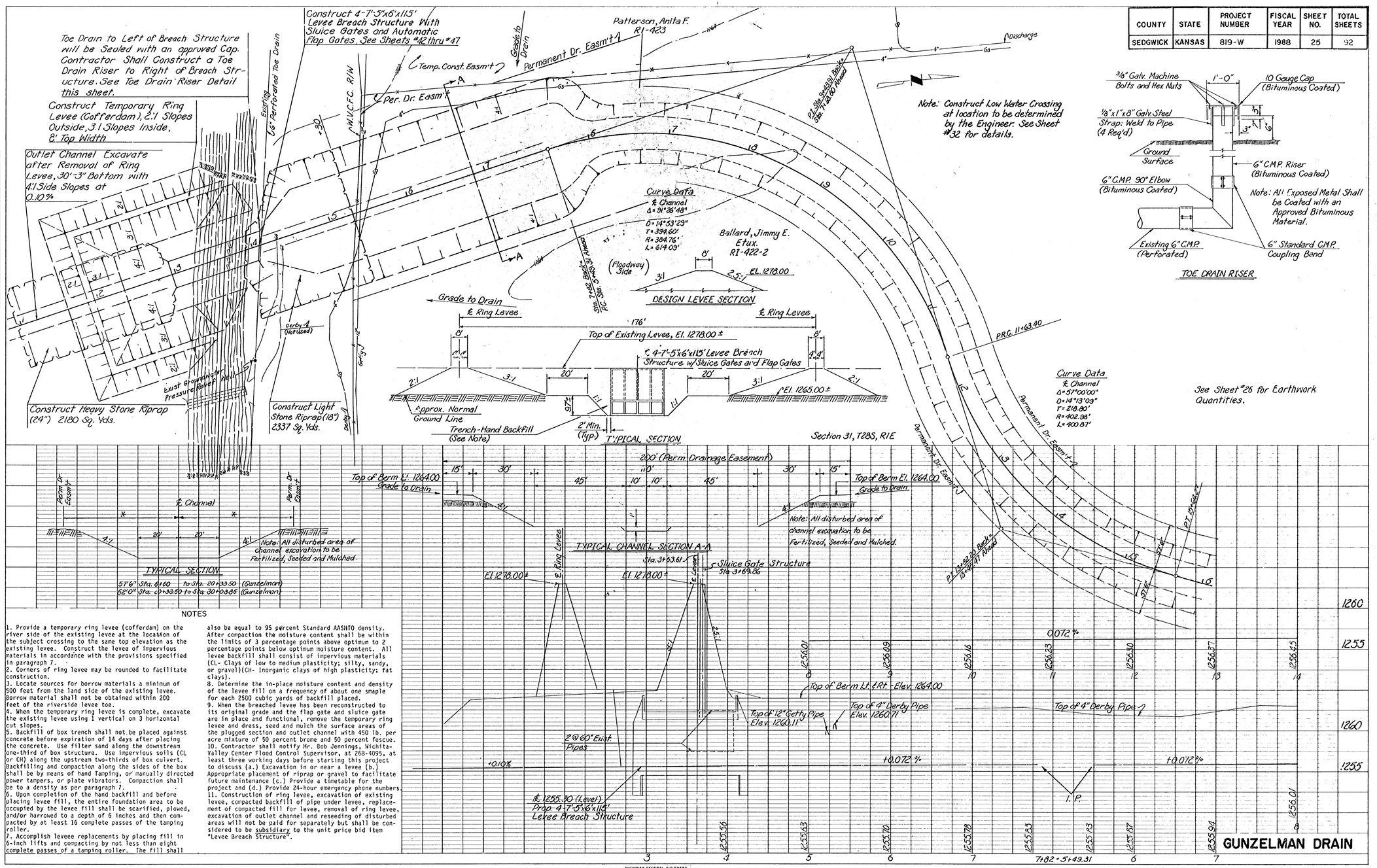
COUNTY	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SEDGWICK	KANSAS	819-W	1988	25	92



NOTES

1. Provide a temporary ring levee (cofferdam) on the river side of the existing levee at the location of the subject crossing to the same top elevation as the existing levee. Construct the levee of impervious materials in accordance with the provisions specified in paragraph 7.
2. Corners of ring levee may be rounded to facilitate construction.
3. Locate sources for borrow materials a minimum of 500 feet from the land side of the existing levee. Borrow material shall not be obtained within 200 feet of the riverside levee toe.
4. When the temporary ring levee is complete, excavate the existing levee using 1 vertical on 3 horizontal cut slopes.
5. Backfill of box trench shall not be placed against concrete before expiration of 14 days after placing the concrete. Use filter sand along the downstream one-third of box structure. Use impervious soils (CL or CH) along the upstream two-thirds of box culvert. Backfilling and compaction along the sides of the box shall be by means of hand tamping, or manually directed power tampers, or plate vibrators. Compaction shall be to a density as per paragraph 7.
6. Upon completion of the hand backfill and before placing levee fill, the entire foundation area to be occupied by the levee fill shall be scarified, plowed, and/or harrowed to a depth of 6 inches and then compacted by at least 16 complete passes of the tamping roller.
7. Accomplish leveee replacements by placing fill in 6-inch lifts and compacting by not less than eight complete passes of a tamping roller. The fill shall also be equal to 95 percent Standard AASHTO density. After compaction the moisture content shall be within the limits of 3 percentage points above optimum to 2 percentage points below optimum moisture content. All levee backfill shall consist of impervious materials (CL- Clays of low to medium plasticity; silty, sandy, or gravel)(CH- Inorganic clays of high plasticity; fat clays).
8. Determine the in-place moisture content and density of the levee fill on a frequency of about one smaple for each 2500 cubic yards of backfill placed.
9. When the breached levee has been reconstructed to its original grade and the flap gate and sluice gate are in place and functional, remove the temporary ring levee and dress, seed and mulch the surface areas of the plugged section and outlet channel with 450 lb. per acre mixture of 50 percent brome and 50 percent fescue.
10. Contractor shall notify Mr. Bob Jennings, Wichita-Valley Center Flood Control Supervisor, at 268-4095, at least three working days before starting this project to discuss (a.) Excavation in or near a levee (b.) Appropriate placement of riprap or gravel to facilitate future maintenance (c.) Provide a timetable for the project and (d.) Provide 24-hour emergency phone numbers
11. Construction of ring levee, excavation of existing levee, compacted backfill of pipe under levee, replacement of compacted fill for levee, removal of ring levee, excavation of outlet channel and reseeding of disturbed areas will not be paid for separately but shall be considered to be subsidiary to the unit price bid item "Levee Breach Structure".

PLAN — NOTE BOOK — No. — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — BY — DATE

PROFILE — NOTE BOOK — No. — SURVEYED — PLOTTED — GRADES CHECKED — B.M.'s NOTED — STRUCTURE LOCATIONS CHECKED — BY — DATE